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CLAIMS

1- An oven (1) comprises;

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an outer cabinet (2), a cooking chamber (3) located inside this outer cabinet (2) with spacing in between, one or more fan (9) the oven (1), one or more heater (10) that moving the air inside heats the air, a fan cladding (11) located at the back of the cooking chamber (3) that directs the air moved by the fan (9) and one or more bearing surface (5) carrying the plates (A,B,C) placed inside the cooking chamber (3) and characterized by one or more side wall (4) comprising an inlet (7) that opens to the volume where the fan (9) is located and that lets inside the air moved by the fan (9) and, one or more duct (6) having one or more apertures (8) that provides to blowing air received from the inlet (7) at desired temperature and pressure values, towards the middle and the back of the cooking chamber (3), contacting the top and the bottom surfaces of one or more plate (A, B, C) placed over the bearing surface (5).

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2- An oven (1) according to Claim 1, characterized by;

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the side wall (4) comprises the duct (6) in a form extends inside the cooking chamber (3) and is located along the horizontal axis

characterized by;

3- An oven (1) according to any of the above mentioned Claims,

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the side wall (4) comprises the duct (6) with apertures (8) having equal shapes and dimensions.

4- An oven (1) according to Claims 1, 2 and characterized by;

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- the side wall (4) comprises the duct (6) with apertures (8) having different shape and dimensions.

- 5 5- An oven (1) according to Claim 4, characterized by;
 - the side wall (4) comprises the duct (6) with apertures (8) having different dimensions as they get further away from the inlet (7).
- 10 6- An oven (1) according to any of the above mentioned Claims, characterized by;

the side wall (4) comprises the duct (6) having independent inlets (7) that open towards the volume where the fan (9) located.

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- 7- An oven (1) according to any of the Claims 1 to 5, characterized by;
- the side wall (4) comprises the duct (6) having inlets (7) connecting to each other as they are open towards the volume where the fan (9) located.
 - 8- An oven (1) according to any of the above mentioned Claims, characterized by;

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- the fan cladding (11) which comprises a surface that is placed at the back of the cooking chamber (3) and in front of the fan (9), and sides (15a and 15b) surrounding this surface and recess (14) that is formed by deep drawing the part that faces the sweeping surface of the fan (9) and a recess edge (16) with a twisted form narrowing from surface towards the base between the surface and the base.

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9- An oven (1) according to Claim 8, characterized by;

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- the fan cladding (11) comprises the recess edge (16) having a cross-sectional view of an "S" shape.

5 10- An oven (1) according to Claims 8 and 9, characterized by;

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- the fan cladding (11) comprises a single or multiple suction apertures (12) in the middle of the recess(14), with various dimension and shapes covering the sweeping area of the fan (9), preferably with a circular cross-section and providing air suction by the fan (9) inside the cooking chamber (3).
- 11- An oven (1) according to any of the Claims 8 or 10, characterized by;
- the fan cladding (11) that opens towards the cooking chamber (3) over the surface and comprises one or more than one blowing aperture (13) located on both sides of the recess(14).
 - 12- An oven (1) according to any of the Claims 8 to 11, characterized by;
 - the fan cladding (11) comprises an arc which suits the structure of the recess (14) to the sides (15b) in order to direct air towards both side walls (4) in equal proportions and one or more side (15a) which is the form of a butterfly and that have an incline increasing towards the sides (15b), connecting both sides of the arc.
 - 13- An oven (1) according to any of the Claims 8 or 12, characterized by
- a fan cladding (11) that comprises side (15b) having one or more opening (18) on and that enables the inlet (7) to open towards the volume where the fan (9) is located.

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14- An oven (1) according to any of the Claims mentioned above, comprising

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A take-off piece (17) having one or more window (28) where inlet (7) opens in order to transfer air moved by the fan (9) and directed by the fan cladding (11) inside the duct (6) located on the side walls (4), and deflector plates (19) located on these windows (28).

15- An oven (1) according to Claim 13, characterized by

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- the fan cladding (11) comprises the take-off piece (17) mounted in a way that it would intersect windows (28) placing on it and openings (18) on the sides (15b) of the fan cladding (11).
- 15 16- An oven (1) according to Claim 13, comprises
 - one or more heater (10) with equal or different power rates that is located in front of the openings (18) formed on the sides (15b) of the fan cladding (11) in order to transfer air having different temperature rates inside the cooking chamber (3) when more than one plate (A, B, C) is desired to be heated at different temperature rates.

17- An oven (1) according to Claim 14, comprises

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- one or more heater (10) with equal or different power rates that is located in front of the windows (28) placing on the take-off piece (17).
- An oven (1) according to any of the Claims mentioned above, comprises

 heater (10) with equal or different power rates that are legated
 - heater (10) with equal or different power rates that are located inside one or more duct (6) placing on the side wall (4).